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PTO/SB/05 (11-00)

Approved through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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| UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) | | Attorney Docket No. | 02581-P0383A | |
|---|--|--|--|--------------|
| | | First Inventor | Gerd Beck, et al. | |
| | | Title | Testing Or Setting Device For A PDD Or PDT System, Or For Training On Such A System And Tissue Phantom | |
| | | Express Mail Label No. | EL 574 209 832 US | |
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents | | ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231 | | |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) | | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) | | |
| 2. <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27. | | 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) | | |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages 20] (preferred arrangement set forth below) <ul style="list-style-type: none">- Descriptive title of the Invention- Cross References to Related Applications- Statement Regarding Fed sponsored R & D- Reference to sequence listing, a table, or a computer program listing appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claims(s)- Abstract of the Disclosure | | a. <input type="checkbox"/> Computer Readable Form (CRF) | | |
| | | b. Specification Sequence Listing on: <ul style="list-style-type: none">i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); orii. <input type="checkbox"/> paper | | |
| | | c. <input type="checkbox"/> Statement verifying identity of above copies | | |
| 4. <input checked="" type="checkbox"/> Drawings(s) (35 USC 113) [Total Sheets 2] | | ACCOMPANYING APPLICATION PARTS | | |
| 5. Oath or Declaration [Total Pages 0] <ul style="list-style-type: none">a. <input type="checkbox"/> New executed (original or copy)b. <input type="checkbox"/> Copy from prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)<ul style="list-style-type: none">i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). | | 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) | | |
| | | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney | | |
| | | 11. <input type="checkbox"/> English Translation Document (if applicable) | | |
| | | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations | | |
| | | 13. <input checked="" type="checkbox"/> Preliminary Amendment | | |
| | | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) | | |
| | | 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) | | |
| | | 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 of its equivalent. | | |
| 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | | 17. <input checked="" type="checkbox"/> Other: PCT/EP99/090507 Cover Sheet DE19855853.8 Cover Sheet | | |
| 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part of prior application No.: PCT/EP99/09507 filed Dec. 6, 1999 Prior application information: Examiner Group/Art Unit: Priority: DE19855853.8 filed Dec. 4, 1998 For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. | | | | |
| 18. CORRESPONDENCE ADDRESS | | | | |
| <input checked="" type="checkbox"/> Customer Number of Bar Code Label 24126 <input checked="" type="checkbox"/> Correspondence address below (Insert Customer No. or Attach bar code label here) | | | | |
| Name | | Wesley W. Whitmyer, Jr. | | |
| Address | | St. Onge Steward Johnston & Reens LLC 986 Bedford Street | | |
| City | | Stamford | State | CT |
| Country | | United States | Telephone | 203 324-6155 |
| | | | Fax | 203 327-1096 |
| Zip Code | | 06905-5619 | | |

| | | | |
|-------------------|-------------------------|-----------------------------------|--------|
| Name (Print/Type) | Wesley W. Whitmyer, Jr. | Registration No. (Attorney/Agent) | 33,558 |
| Signature | Date | | 6/1/01 |

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JC971 U.S. PTO

09/872940

10/10/96

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

Complete if Known

| | |
|------------------------|-------------------|
| Application No. | - Pending |
| Filing Date | June 1, 2001 |
| First Named Inventor | Gerd Beck, et al. |
| Examiner Name | |
| Group Art Unit | |
| Attorney Docket Number | 02581-P0383A WWW |

TOTAL AMOUNT OF PAYMENT (\$)

710.00

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payment to:

Deposit
Account
Number

19-4516

Deposit
Account
Name

St.Onge Steward Johnston & Reens LLC

- ☒ Charge Any Additional Fee Required
Under CFR 1.16 and 1.17
Applicant claims small entity status.
See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money ☐ Other
Order

FEE CALCULATION

BASIC FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------|
| 101 | 710 | 201 | 355 | Utility filing fee | 710.00 |
| 106 | 320 | 206 | 160 | Design filing fee | |
| 107 | 490 | 207 | 245 | Plant filing fee | |
| 108 | 710 | 208 | 355 | Reissue filing fee | |
| 114 | 150 | 214 | 75 | Provisional filing fee | |

SUBTOTAL (1) (\$)

710.00

EXTRA CLAIMS FEES

| Total Claims | Extra Claims | Fee from Below | Fee Paid |
|--------------|-----------------|-------------------|----------|
| 20 | -20**= | 0 | X |
| 3 | -3**= | 0 | X |
| | | 0 | X |

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description |
|----------------------|-----------------------|----------------------|-----------------------|--|
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 80 | 202 | 40 | Independent claims in excess of 3 |
| 104 | 270 | 204 | 135 | Multiple dependent claims, if not paid |
| 109 | 80 | 209 | 40 | ** Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent |

** or number previously paid, if greater; For Reissues, see above

SUBTOTAL (2) (\$)

-0-

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|--|----------|
| 105 | 130 | 205 | 65 | Surcharge - late filing for or oath | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing or cover sheet | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for ex parte reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840 | Requesting publication of SIR after Examiner Action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 390 | 216 | 195 | Extension for reply within second month | |
| 117 | 890 | 217 | 445 | Extension for reply within third month | |
| 118 | 1,390 | 218 | 695 | Extension for reply within fourth month | |
| 128 | 1,890 | 228 | 945 | Extension for reply within fifth month | |
| 119 | 310 | 219 | 155 | Notice of Appeal | |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | |
| 121 | 270 | 221 | 135 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,240 | 241 | 620 | Petition to revive - unintentional | |
| 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) | |
| 143 | 440 | 243 | 220 | Design issue fee | |
| 144 | 600 | 244 | 300 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 | 240 | 126 | 240 | Submission of Informational Disclosure Stmt | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per Property (times number of properties) | |
| 146 | 710 | 246 | 355 | Filing a submission after final rejection (37CFR § 1.129(a)) | |
| 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |

Other fee (specify)

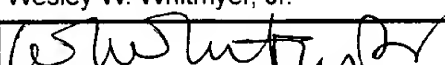
* Reduced by Basic Filing Fee paid

SUBTOTAL (3) (\$)

-0-

SUBMITTED BY St.Onge Steward Johnston & Reens LLC

Complete (if applicable)

| | | | | | |
|-------------------|---|--------------------------------------|--------|-----------|--------------|
| Name (Print Type) | Wesley W. Whitmyer, Jr. | Registration No. (Attorney/Agent) | 33,558 | Telephone | 203 324-6155 |
| Signature |  | Date | 6/1/01 | | |

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PATENT
02581-P0383A WWW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | |
|-----------------------|--|
| Applicants | Gerd Beck, et al. |
| Serial No. - Pending | Filed June 1, 2001 |
| Title of Application: | Testing Or Setting Device For A PDD Or PDT System, Or For Training On Such A System And Tissue Phantom |

Assistant Commissioner for Patents
Washington, DC 20231

Cover Sheet For Two Sheets Of Drawings

10499010422000

Attorney for Applicants
Wesley W. Whitmyer, Jr., Registration No. 33,558
ST.ONGE STEWARD JOHNSTON & REENS LLC
986 Bedford Street
Stamford, CT 06905-5619
203 324-6155

Express Mail Number EL 574 209 832 US

①⑨ **BUNDESREPUBLIK
DEUTSCHLAND**



**DEUTSCHES
PATENT- UND
MARKENAMT**

⑫ **Off nl ungsschrift**
⑩ **DE 198 55 853 A 1**

⑤① Int. Cl.⁷:
A 61 B 6/00
A 61 N 5/06
G 09 B 23/28
A 61 B 1/00

②① Aktenzeichen: 198 55 853.8
②② Anmeldetag: 4. 12. 1998
④③ Offenlegungstag: 15. 6. 2000

DE 198 55 853 A 1

⑦① Anmelder:
Karl Storz GmbH & Co. KG, 78532 Tuttlingen, DE

⑦② Erfinder:
Beck, Gerd, 78532 Tuttlingen, DE; Irion, Klaus M.,
Dr.-Ing., 78576 Emmingen-Liptingen, DE; Ehrhardt,
André, 78532 Tuttlingen, DE

⑤⑥ Entgegenhaltungen:
DE 196 38 809 A1

JC971 U.S. PTO
09/872940
06/01/01

Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen

Prüfungsantrag gem. § 44 PatG ist gestellt

⑤④ Vorrichtung zur Prüfung und/oder Justierung eines PDD-oder PDT-Systems und/oder zur Schulung an einem derartigen System

⑤⑦ Beschrieben wird eine Vorrichtung zur Prüfung und/oder Justierung eines PDD- oder PDT-Systems und/oder zur Schulung an einem derartigen System, das

- ein Beleuchtungssystem, dessen Licht wenigstens zur Anregung des Fluoreszenzstoffes dient und hierzu auf den zu diagnostizierenden und/oder zu therapierenden Gewebebereich gerichtet werden kann, und
- eine bildgebende Einheit, die das von dem angeregten Gewebebereich kommende Licht abbildet, aufweist.

Die Erfindung zeichnet sich dadurch aus, daß ein Lumineszenzphantom vorgesehen ist, das das Licht des Beleuchtungssystems teilweise reflektiert, teilweise absorbiert und wenigstens einen räumlichen Bereich enthält, in dem Beleuchtungslicht zu Lumineszenzlicht konvertiert wird, dessen Emissionsspektrum im Wellenlängenbereich eines gewissen "in vivo" vorkommenden Fluoreszenzfarbstoffs liegt.

DE 198 55 853 A 1

PCT

WELTORGANISATION FÜR GEISTIGES EIGENTUM
Internationales Büro



INTERNATIONALE ANMELDUNG VERÖFFENTLICHT NACH DEM VERTRAG ÜBER DIE
INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES PATENTWESENS (PCT)

| | | |
|---|-----------|--|
| <p>(51) Internationale Patentklassifikation ⁷ : G01N 21/64, A61N 5/06</p> | <p>A1</p> | <p>(11) Internationale Veröffentlichungsnummer: WO 00/34762 (43) Internationales Veröffentlichungsdatum: 15. Juni 2000 (15.06.00)</p> |
| <p>(21) Internationales Aktenzeichen: PCT/EP99/09507 (22) Internationales Anmeldedatum: 6. Dezember 1999 (06.12.99) (30) Prioritätsdaten: 198 55 853.8 4. Dezember 1998 (04.12.98) DE (71) Anmelder (für alle Bestimmungsstaaten ausser US): KARL STORZ GMBH & CO. KG [DE/DE]; Mittelstrasse 8, D-78532 Tuttlingen (DE). (72) Erfinder; und (75) Erfinder/Anmelder (nur für US): BECK, Gerd [DE/DE]; Honbergstrasse 1, D-78532 Tuttlingen (DE). EHRHARDT, André [DE/DE]; Schlossstrasse 1, D-78573 Wurmlingen (DE). IRION, Klaus, M. [DE/DE]; Heudorfer Strasse 38, D-78576 Liptingen (DE).</p> | | <p>(81) Bestimmungsstaaten: US, europäisches Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Veröffentlicht Mit internationalem Recherchenbericht. Vor Ablauf der für Änderungen der Ansprüche zugelassenen Frist; Veröffentlichung wird wiederholt falls Änderungen eintreffen.</p> |
| <p>(54) Title: TESTING OR SETTING DEVICE FOR A PDD OR PDT SYSTEM, OR FOR TRAINING ON SUCH A SYSTEM AND TISSUE PHANTOM (54) Bezeichnung: VORRICHTUNG ZUR PRÜFUNG ODER JUSTIERUNG EINES PDD- ODER PDT-SYSTEMS ODER ZUR SCHULUNG AN EINEM DERARTIGEN SYSTEM SOWIE GEWEBEPHANTOM (57) Abstract The invention relates to a testing or setting device for a PDD or PDT system or for training on such a device. Said device comprises a lighting system and is provided with a housing in which the PDD or PDT system can be at least partially accommodated. The device is characterised in that a tissue phantom is accommodated in the housing in such a way that the surface of the tissue phantom is at least partially lit by the lighting system, that the observation system can observe the surface of the tissue phantom and that the tissue phantom has at least one luminescent area. A tissue phantom which can be used in the inventive device has at least one luminescent area and is characterised in that it has at least one additional area whose luminescence characteristics differ from those of the first luminescent area.</p> <div data-bbox="657 1239 1364 1711"> </div> | | |

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